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SAB ATTENDEES

Burgoyne L. Griffing, Mr.
Edward Teller, Dr.
David T. Griggs, Mr.
Ernst Plesset, Dr.
H. F. York, Dr.
Mark M. Mills, Dr.
Charles R. Russell, Dr.
James McRae, Dr.
Alvin M. Weinberg, Dr. (arr. 10/5)
Herbert Scoville, Mr.
Nathan I. Krisberg, Col.
Albert Latter, Dr.
Theodore B. Taylor, Dr.
Marshall N. Rosenbluth, Dr.
Ernest Martinelli, Dr.
Gale Young, Dr.
John S. Foster, Dr.
Harold Brown, Dr.
James L. Dick, Maj.
James O. Alderman
Dale R. Lindall
MacPherson,Morgan, Lt. Col.
Jack E. Whitener, Maj.
Sol E. Singer, Maj.
Edward Giller, Col.
Ernest A. Pinson, Col.
R. W. Wininger, Maj.
John H. DeRussy, Col.
Curtis L. Scoville, Maj.
Francis D. Janik, Mr.
Robert M. Chapman, Mr.
Vincent G. Huston, Col.
John J. Smith (to be replaced by
McLean W. Elliott arr. 10/3)
Ralph Hoewing, Lt. Col.
Richard L. Johnson, Maj.
Robert C. Hock, Capt.
Alfred V. Van Hoozer, Col.
Dean A. McCowan, Lt. Col.
Richard H. May, Lt. Col.
Walter B. Favorite, Maj.
Archie R. Patterson, Capt.
John A. B. Bower, Maj.
James B. Graham, Mr.
E. O. Meals, Col.
Melvin J. Nielsen, Col.
Billy C. Gray, Maj.
B. G. Holzman, Col.
H. M. Lulejian, Lt. Col.
Kendall Russell, Capt.
Edgar M. Munyon, Capt.
Felix H. Jones, Lt. Col.
Sidney C. Bruce, Lt. Col.
Norman B. Bodinger, Maj.
Harry H. Clayton, Mr.

W. C. Starrett, Mr.
Jordan Carson Mark, Dr.
Walter H. Jordan, Dr.
Stewart C. Hight, Dr.
George V. Beard, Dr.
J. W. Siry
Ronald C. Meyerott, Dr.
Frank C. Hoyt, Dr.
Walter Beyers, Dr.
Marion Turner, Capt.
Chester N. Hasert
Thomas B. Cook
Maynard Cowan, Dr.
Adolph Burstein
Osborn Palmer
Robert J. ~~xxx~~ Lutz
John R. Burke, Maj.

FTB-56-336

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
Washington 25, D. C.

13 January 1956

MEMORANDUM FOR DR. NORRIS BRADBURY
DR. POL DUWEZ
DR. LOUIS DUNN
DR. DAROL FROMAN
DR. CLARK MILLIKAN
DR. WILLIAM RADNIE
MR. ADDISON ROTHROCK
MR. ABE SILVERSTEIN
PROF. E. TAYLOR
✓ DR. EDWARD TELLER
PROF. JOHN VON NEUMANN
DR. HERBERT YORK
MR. GALE YOUNG
MR. DONOVAN

returned COPL-194 to mills

SUBJECT: Final Report of Ad Hoc Committee on Nuclear Propulsion of Missiles as Transmitted by Mark Mills, 6 Jan 1956

Could we please have your comments or concurrence on the above report, particularly the summary comments on the crash program, as soon as possible? If we do not hear from you by January 20th, we will assume you concur in the report as it stands.

Chester N. Hasert

CHESTER N. HASERT
Technical Director
Scientific Advisory Board
Office of the Chief of Staff

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~~Atomic Energy Act 1954~~

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

BEBT-1-57

26 March 1957

SAB corres.
Vol VII

MEMORANDUM FOR NUCLEAR PANEL MEMBERS AND CONSULTANTS

SUBJECT: SAB Report on High Altitude Weapon Effects

Attached for your information is a copy of General Twining's reply to the Nuclear Panel report on "Very High Altitude Weapon Effects."

Chester N. Hasert

CHESTER N. HASERT
Technical Director
Scientific Advisory Board
Office of the Chief of Staff

Inclosures - 2
1. Memo from Gen. Twining to Chairman, SAB
2. Resume of USAF Position Relative to High Altitude Weapons Effects

Dr. Edward Teller ✓
Dr. Harold Brown
Mr. David T. Griggs
Dr. A. Latter
Dr. J. Carson Mark
Dr. Ernest Martinelli
Dr. Mark M. Mills
Dr. Ernst H. Plesset

When inclosure (s) is (are) withdrawn or not attached, this correspondence will be declassified in accordance with Par 37 h, AFR 205-1.

This document consists of 4 pages,
Copy Number 1A of 12 copies.

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~~RESTRICTED DATA~~
~~Atomic Energy Act 1954~~

TD

BEBT - ✓ 11-57

~~SECRET~~

SAB carr Vol III

April 8, 1957

Dr. Mark M. Mills
University of California
Radiation Laboratory
P.O. Box 808
Livermore, California

Dear Mark:

I've tinkered and tinkered with what I thought was simple: Kill criteria. It still looks close to the original. I have not read it after scribbling down, so it's rough.

As you will note, I've given grudging acknowledgment to your point - which I agree with. If you go along with this version, let's go over it with Edward if there is a chance. I'm planning to wrap this up and, hopefully, drafts on future weapons and production and intercept Edward while he's back East. We can then go over the drafts at our May 2, 3, 4 session, or at least at Patrick.

I have a rough draft on "Future Weapons." I expect to get it and one on "Production" out at end of week after returning from a brief trip.

How about joining us at Nassau?

Best,

E.H. Plesset

✓cc: Dr. Edward Teller

Enclosure
Draft on Weapon Kill

returned to SAB 3/20/58

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(or not attached) the classification of thi
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in accordance with Para. 25e, AFR 205-1.

~~SECRET~~

Note to Dr. Teller
I'll let you know by phone or something when I'll try to catch up. I have your schedule. E

Westinghouse
ELECTRIC CORPORATION

~~SECRET~~

BEBT- 8-57

SAB corres. Vol III

March 20, 1957

3 GATEWAY CENTER
P.O. BOX 2278
PITTSBURGH 30. PA.

Dr. Edward Teller
University of California
Radiation Laboratory
P.O. Box 808
Livermore, California

Dear Edward:

Partly to show I do work (albeit little and rarely), I submit a rough draft of our Ad Hoc Committee's report on Base Hardening. The charter asked us merely to explore the problem. The main reason: if you get a minute, I'd sure enjoy even your casual comment.

returned to SAB 3/28/58

Best.

Sincerely, if hardly

Ernie

Ernst H. Plesset

mjs

Enc.
Copy 2 of 3A.

If inclosure No. 2 is withdrawn (or not attached) the classification of this correspondence will be downgraded to uncl in accordance with Para. 25c, AFR 205-1.

P.S.
In reading this over, I notice a number of rough, awkward expressions. Rather than delay, I am passing it on any way. E

~~SECRET~~

YOU CAN BE *SURE*... IF IT'S Westinghouse

Weapons

ETB376 attachment destroyed 7/16/65

"Indexed Director's Office"

~~SECRET~~

HOLMES & NARVER, INC.
ENGINEERS · CONSTRUCTORS
828 SOUTH FIGUEROA STREET
LOS ANGELES 17
TRINITY 8201

LOS ANGELES
WASHINGTON, D. C.
HONOLULU, T. H.

March 21, 1956

University of California Research Laboratory
Livermore, California

Attention: Dr. Teller

Dear Sir:

You have recently received a letter from the Air Research and Development Command of the United States Air Force, through Western Development Division, advising you that this firm has been retained by the Department of the Air Force to conduct a study into the future test and research facility requirements in connection with the field of vehicles travelling outside the earth's atmosphere. Your name has been advanced as one who can materially aid in the early development of criteria for such facilities.

Enclosed with this letter is a copy of Exhibit "A" submitted to this firm as a general scope for the proposed study. As you can observe, the investigation encompasses many facets of the missile program; in fact it is assumed that Sections 2 and 3 of Exhibit "A" have only touched upon some of the fields of interest. They were composed in order to provide a nucleus about which this study can develop.

It is the purpose of this initial report to establish the general overall future needs of the program. An idea of the type of information desired can be summarized as follows:

(1) A breakdown of the whole program into a number of specific fields of study. It is recognized that certain fields may overlap each other.

(2) A list of specific test and research facilities that are required for each field. Again, it is recognized that certain of these facilities may be utilized in one or more fields.

WHEN SEPARATED FROM ENCLOSURES, HANDLE THIS DOCUMENT AS unclassified

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(3) Rough estimates of the land area requirements as well as cost estimates of each facility.

(4) Manpower requirements for each facility.

(5) Unusual utility requirements in the fields of electrical power, water, gas, etc.

It should be re-emphasized that this study is to provide the Department of the Air Force with an overall perspective of the scope and future needs of its guided missile program. It is expected that more detailed investigations will follow concerning specific fields and facilities.

Mr. M. R. Born of Holmes & Narver will telephone within a few days for an appointment with you and/or anyone you believe will be qualified to furnish information or ideas that would be of value in this study.

Very truly yours,

HOLMES & NARVER, INC.

Reuben R. Alvy

Reuben R. Alvy
Project Engineer

RRA:vr
Enclosure